XIAO-HONG SUN

Curriculum Vitae

Department of Cell Biology
New York University School of Medicine
New York, NY 10016

Tel: (212) 263-6916
Fax: (212) 263-8139

EDUCATION:

1982 - 1987	Ph.D., Biochemistry, Cornell University, Ithaca, NY
1978 - 1981	Extramural student, Basic Medical Sciences, Beijing Medical University, China.

RESEARCH EXPERIENCE:

1991 -	Assistant Professor, Department of Cell Biology, New York University School of Medicine, Studying the role of helix-loop-helix transcription factors in cell proliferation and differentiation.
1989 - 1991	Postdoctoral fellow, Whitehead Institute for Biomedical Research, Laboratory of Dr. David Baltimore, Studied the structure and function of basic helix-loop-helix transcription factors.
1987 - 1988	Postdoctoral associate, Whitehead Institute for Biomedical Research, Laboratory of Dr. David Baltimore, Studied protein synthesis inhibition by poliovirus.
1984 - 1987	Graduate research assistant, Cornell University, Laboratory of Dr. Ray Wu, Studied mechanisms of the developmental regulation of gene expression in *Drosophila.*
1983 - 1984	Graduate research assistant, Cornell University, Laboratory of Dr. Ray Wu, Studied the molecular evolutioin of genes using glyceraldehyde 3-phosphate dehydrogenase genes as a model system.

TEACHING EXPERIENCE:

1992 -	Assistant Professor, New York University School of Medicine, Taught "Molecular and Cellular Biology" and "Nucleic Acids Core Course".
1983 - 1984	Graduate teaching assistant, Cornell University Taught the courses "Basic Biochemical methods" and "Intermediate Biochemical Methods".
1978 - 1981	Technician , Beijing Medical College, China Taught the course "Biochemistry laboratory".

HONORS AND AWARDS:

1992 - 1996	Recipient of Cancer Research Institute Investigator Award.
1992 - 1994	Recipient of American Cancer Society Research Grant.
1992 - 1993	Recipient of The Milheim Foundation Grant.
1992 - 1993	Recipient of Institutional Whitehead Presidential Fellowship.
1991 - 1996	Markey Scholar (Supported by a grant from The Lucille P. Markey Charitable Trust Foundation to NYUSM)
1989 - 1991	Recipient of Cancer Research Institute Postdoctoral Fellowship.
1981	Among the top 10 to 15 students selected nation-wide to study in the U.S. through a China-United States Biochemistry Examination and Application (CUSBEA) Program.

MEMBERSHIPS:

1991	Member of the American Association for the Advancement of Science.
1992	Member of the American Society for Microbiology.

PUBLICATIONS:

1. Saisanit, S. and Sun, X.-H. Regulation of Id-1 gene expression during B cell development. Manuscript in peparation.

2. Vitola, S. J. and Sun, X.-H. Alteration of E12 DNA-binding activity by a single positive or negative charge. Manuscript in preparation.

3. Sun, X.-H., Copeland, G., Jenkins, N. and Baltimore, D. (1991) The Id proteins, Id1 and Id2, selectively inhibit DNA binding by one class of bHLH transcription factors. *Mol. Cell. Biol.* 11: 5603-5611.

4. Sun, X.-H. and Baltimore, D. (1991) The inhibitory domain of E12 prevents DNA binding in E12 homodimers but not in E12 heterodimers. *Cell* 64: 459-470.

5. Kamps, M. P., Murre, C., Sun, X.-H., and Baltimore D. (1990) A new homeobox gene contributes the DNA-binding domain of the t(1:19) translocation protein in pre-B ALL. *Cell* 60: 547-555.

6. Sun, X.-H., and Baltimore, D. (1989) Human immunodeficiency virus tat-activated expression of poliovirus protein 2A inhibits mRNA translation. *Proc. Nalt. Acad.Sci. USA* 86: 2143-2146.

7. Sun, X.-H., Lis, J. and Wu, R. (1988) The positive and negative transcriptional regulation of the *Drosophila Gapdh*-2 gene. *Genes Dev.* 2: 743-753.

8. Sun, X.-H., Tso, J. Y., Lis, J. and Wu, R. (1988) Differential regulation of the two GAPDH genes during *Drosophila* development. *Mol. Cell. Biol.* 8: 5200-5205.

9. Tso, J. Y., Sun, X.-H. and Wu, R. (1985) Structure of two unlinked *Drosophila melanogaster* glyceraldehyde 3-phosphate dehydrogenase genes. *J. Biol. Chem.* 260: 8220-8228.

10. Tso, J. Y., Sun, X.-H., Kao, T.-h., Reece, K., and Wu, R. (1985) Isolation and characterization of rat and human glyceraldehyde 3-phosphate dehydrogenase cDNAs: genomic complexity and molecular evolution of the gene. *Nucl. Acids Res.* 13: 2485-2502.